

Title (en)

MASS SPECTROMETRY SYSTEM AND METHOD

Title (de)

MASSENSPEKTROMETRIESYSTEM UND -VERFAHREN

Title (fr)

SYSTEME ET METHODE DE SPECTROMETRIE DE MASSE

Publication

EP 1831913 A1 20070912 (EN)

Application

EP 05817300 A 20051108

Priority

- US 2005040350 W 20051108
- US 98388404 A 20041109

Abstract (en)

[origin: US2006097152A1] Mass spectrometry system for analyzing components of a gas. In accordance with one embodiment, the system includes a mass spectrometer adapted to analyze components of the gas, and an inlet capillary fluidically connected to the mass spectrometer to convey a sample of the gas to the mass spectrometer. The inlet capillary includes an inner bore with a bore wall having a catalytic coating thereon for reacting with at least one component of the sampled gas to convert the at least one component to another gas species as the sampled gas is conveyed through the inlet capillary. The mass spectrometer is adapted to analyze the converted gas species and derive information, such as quantity, of the component of sample gas that has been converted. A method of analyzing a gas is also provided.

IPC 8 full level

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